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1638

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Anderson et al.

: Group Art Unit: 1638

Serial No.: 10/072,809

: Examiner: Not yet assigned

Filed: February 8, 2002

: Confirmation No: 3677

For: *PLANT-DERIVED MOLECULES AND GENETIC SEQUENCES ENCODING SAME AND USES THEREFOR*

#10/K.T.
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I.D.S.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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Sir:

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Further to the Information Disclosure Statement filed June 19, 2002 the Examiner is respectfully requested to consider the references, which may qualify as prior art and are listed on the attached Patent and Trademark Office Form PTO-1449.

This information is cited in a spirit of forthrightness and cooperation to enable the applicants to obtain that measure of protection for the invention to which there is entitlement. However, no representation is made that the listed art actually qualifies as prior art under the patent statute and the mere use of PTO-1449 is not an admission that all listed references are prior art. No representation is made that applicants know of the best art.

It is believed that this submission does not require the payment of any fees. If this is incorrect, however, please charge any requisite fees to Deposit Account No. 07-1969.

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Respectfully submitted,

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Attorney Docket No. 18-01
nm: September 25, 2002

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage for Express Mail in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C., 20231	
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U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Subclass	Filing Date Appropriate

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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes/No

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

1	Li and Gray (August 1999) "Molecular Characterization of a cDNA, NTS13, Encoding a Defensin-Like Protein in Tobacco Styles" (Accession No. X99403) Plant Gene Register PGR 99-071 <i>Plant Physiology</i> 120:633.
2	Yu et al. (2000) Direct Submission Accession No. S30578.
3	Stiekema et al. (1988) "Molecular cloning and analysis of four potato tuber mRNAs" <i>Plant Molecular Biology</i> 11:255-269.
4	Choi et al. (1993) "Nucleotide Sequence of a cDNA Encoding a Low Molecular Weight Sulfur-Rich Protein in Soybean Seeds" <i>Plant Physiology</i> 101:699.
5	Choi et al. (1995) "Tissue-specific and Developmental Regulation of a Gene Encoding a Low Molecular Weight Sulfur-rich Protein In Soybean Seeds" <i>Mol. Gen. Genet</i> 246:266-268.
6	Mendez et al. (1990) "Primary Structure and Inhibition of Protein Synthesis in eukaryotic Cell-free System of a Novel Thionin, γ -hordothionin, from Barley Endosperm" <i>Eur. J. Biochem.</i> 194:533-539.
7	Neumann et al. (1996) "Purification and Mass Spectrometry-based Sequencing of Yellow Mustard (<i>Sinapis alba</i> L.) 6 kDa Proteins" <i>Int. J. Peptide Protein Res.</i> 47:437-446.

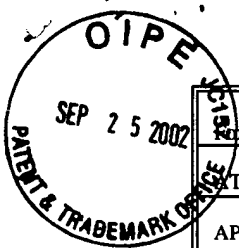
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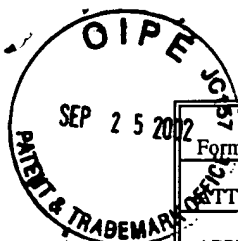
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APPLICANT Anderson et al.				GROUP 1638	

8	Moreno et al. (1994) "Pseudothionin-St1, a potato peptide active against potato pathogens" <i>Eur. J. Biochem</i> 223:135-139.
9	Terras et al. (August 1992) "Analysis of Two Novel Classes of Plant Antifungal Proteins from Radish (<i>Raphanus sativus</i> L.) Seeds" <i>Journal of Biological Chemistry</i> 267(22):15301-15309.
10	Terras et al. (February 1993) "A new family of basic cysteine-rich plant antifungal proteins from Brassicaceae species" <i>FEBS Letters</i> 316(3):233-240
11	Terras et al. (May 1995) "Small Cysteine-Rich Antifungal Proteins from Radish: their Role in Host Defense" <i>The Plant Cell</i> 7:573-588.
12	Fant et al. (1994) "The Solution Structure by ¹ H NMR of a Plant Antifungal Protein from Radish Seeds (Rs-AFP1)" In: LP Ingman, J. Jokissaaari, J. Lounila (eds), <i>Abstracts of the 12th European Experimental NMR Conference</i> p. 247.
13	Colilla et al. (September 1990) "γ-Purothionins: amino acid sequence of two polypeptides of a new family of thionins from wheat endosperm" <i>FEBS Letters</i> 270(1,2):191-194.
14	Ishibashi et al. (1990) "Stored mRNA in cotyledons of <i>Vigna unguiculata</i> seeds: nucleotide sequence of cloned cDNA for a stored mRNA and induction of its synthesis by precocious germination" <i>Plant Molecular Biology</i> 15:59-64.
15	Bloch and Richardson (February 1991) "A new family of small (5 kDa) protein inhibitors of insect α-amylases from seeds of sorghum (<i>Sorghum bicolor</i> (L) Moench) have sequence homologies with wheat γ-purothionins" <i>FEBS Letters</i> 279(1):101-104
16	Nitti et al. (1995) "Amino acid sequence and disulphide-bridge pattern of three γ-thionins from <i>Sorghum bicolor</i> " <i>Eur. J. Biochem.</i> 228:250-256
17	Osborn et al. (1995) "Isolation and characterisation of plant defensins from seeds of Asteraceae, Fabaceae, Hippocastanaceae and Saxifragaceae" <i>FEBS Letters</i> 368:257-262.
18	Chiang and Hadwiger (1991) "The <i>Fusarium solani</i> -Induced Expression of a Pea Gene Family Encoding High Cysteine Content Proteins" <i>Molecular Plant-Microbe Interactions</i> 4(4):324-331.
19	Yamada et al. (1997) "cDNA Cloning of γ-Thionin from <i>Nicotiana excelsior</i> " Accession No. AB005266 <i>Plant Physiology</i> 115:314
20	Anderson et al. (May 1989) "Sequence Variability of Three Alleles of the Self-Incompatibility Gene of <i>Nicotiana glauca</i> " <i>The Plant Cell</i> 1:483-491.
21	Schultz et al. (1997) "Molecular characterisation of a cDNA sequence encoding the backbone of a style-specific 120 kDa glycoprotein which has features of both extensins

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		and arabinogalactan proteins" <i>Plant Molecular Biology</i> 35:833-845.
22		Drews et al. (June 1991) "Negative Regulation of the Arabidopsis Homeotic Gene <i>AGAMOUS</i> by the <i>APETALA2</i> Product" <i>Cell</i> 65:991-1002.
23		Laemmli (August 1970) "Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4" <i>Nature</i> 227:680-685.
24		Ozaki et al. (1980) "Amino Acid Sequence of a Purothionin Homolog from Barley Flour" <i>J. Biochem.</i> 87(2):549-555.
25		Anderson et al. (1987) "Immuno-gold localization of α -L-arabinofuranosyl residues in pollen tubes of <i>Nicotiana alata</i> Link et Otto" <i>Planta</i> 171:438-442.
26		Broekaert et al. (1990) "An automated quantitative assay for fungal growth inhibition" <i>FEMS Microbiology Letters</i> 69:55-60.
27		Atkinson et al. (February 1993) "Proteinase Inhibitors in <i>Nicotiana alata</i> Stigmas are Derived from a Precursor Protein Which is Processed into Five Homologous Inhibitors" <i>The Plant Cell</i> 5:203-213.
28		Heath et al. (1997) "Proteinase Inhibitors from <i>Nicotiana alata</i> Enhance Plant Resistance to Insect Pests" <i>J. Insect Physiol.</i> 43(9):833-842.

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